Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1	1 (currently amended): A method of authenticating a client to a server
2	comprising:
3	generating a challenge at the client;
4	signing the challenge to form a signed challenge;
5	sending at least the signed challenge to the server, where the authenticity of the
6	server is not in questions;
7	verifying the signature of the challenge at the server; and
8	if the signature is verified, sending an indication of successful authentication to
9	the client, where the indication of successful authentication is generated employing a single
10	round trip authentication scheme.
1	2 (original): The method of claim 1, wherein generating a challenge at the client
2	comprises generating a random number.
1	3 (original): The method of claim 1, wherein generating a challenge at the client
2	comprises generating a sequential challenge.
1	4 (original): The method of claim 1, wherein generating a challenge at the client
2	comprises generating a challenge based on data received from the server in a prior step.
1	5 (original): The method of claim 4, wherein the data received from the server is
2	a challenge returned with a server response to a prior client query.
1	6 (currently amended): A method of using a one-time use card number for an
2	online transaction, comprising:

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generating a one-time use card number at a user system using a random number
generator;
authenticating the user system to an issuer system, where the authenticating
employs a single round trip authentication scheme;
passing the one-time use card number from the user system to the issuer system;
passing the one-time use card number from the user system to a merchant system
wherein the merchant system is programmed to present the one-time use card number to the
issuer system to effect a payment;
verifying the one-time use card number received from the merchant system with
the one-time use card number received from the user system; and
if the one-time use card number is verified, approving the transaction.
7 (original): The method of claim 6, wherein passing the one-time use card
number to the issuer includes passing at least one other data element related to the online
transaction.
8 (original): The method of claim 7, wherein the at least one other data element
is selected from, or a function of, a user's account number, a user's private key, a transaction
time, a transaction amount, or a merchant ID.